

IAP9 Rec'd PCT/PTO 31 JAN 2006

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q92973

Mitsuru YAMAMOTO, et al.

Appln. No.: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: January 31, 2006

Examiner: Not Yet Assigned

For: DIAPHRAGM PUMP AND COOLING SYSTEM WITH THE DIAPHRAGM PUMP

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. United States Patent No. 6,520,753, issued February 18, 2003.
2. Japanese Patent No. 2671412, issued July 11, 1997 (with English Abstract).
3. Japanese Patent No. 6-56150, issued July 27, 1994 (with English Abstract).
4. Japanese Utility Model Publication No. 61-54566, published April 12, 1986.
5. Japanese Patent Publication No. 2000-87862, published March 28, 2000 (with English Abstract).

INFORMATION DISCLOSURE STATEMENT  
National Stage Entry of PCT/JP2004/010339

6. Japanese Patent Publication No. 2003-120548, published April 23, 2003 (with English Abstract).

7. International Patent Publication No. WO 01/66947, published September 13, 2001.

8. Japanese Patent Publication No. 2002-232174, published August 18, 2002 (with English Abstract).

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and those listed in the International Search Report. It is assumed that copies of the cited references from the International Search Report will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents Applicant submits the International Search Report which cites reference Nos. 2-7 and indicates the degree of relevance found by the Foreign Office. Applicant also states that reference No. 8 is discussed within the specification beginning at page 1, line 26.

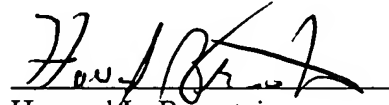
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not

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waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

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CUSTOMER NUMBER

Date: January 31, 2006

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Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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|------------------------|------------------|
| Application Number     | Not Yet Assigned |
| Confirmation Number    | Not Yet Assigned |
| Filing Date            | January 30, 2006 |
| First Named Inventor   | Mitsuru YAMAMOTO |
| Art Unit               | Not Yet Assigned |
| Examiner Name          | Not Yet Assigned |
| Attorney Docket Number | Q92973           |

Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|-----------------|--------------------------------------|--------------------------------|---|
|                    |                       | Number          | Kind Code <sup>2</sup><br>(if known) |                                |   |
|                    |                       | US 6,520,753    | B1                                   | 02-18-2003                     | CALIFORNIA INSTITUTE OF TECHNOLOGY              |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |
|                    |                       | US              |                                      |                                |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   |                     |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Translation <sup>6</sup> |
|--------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|--------------------------|
|                    |                       | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |                                |   |                          |
|                    |                       | JP                        | 2671412             | B2                                   | 07-11-1997                     | NEC CORP  | Abstract                 |
|                    |                       | JP                        | 6-56150             | B2                                   | 07-27-1994                     | KYUSHU HITACHI MAXELL LTD                       | Abstract                 |
|                    |                       | JP                        | 61-54566            | B2                                   | 04-12-1986                     | TOSHIBA CORP                                    |                          |
|                    |                       | JP                        | 2000-87862          | A                                    | 03-28-2000                     | CITIZEN WATCH CO LTD                            | Abstract                 |
|                    |                       | JP                        | 2003-120548         | A                                    | 04-23-2003                     | MATSUSHITA ELECTRIC IND CO LTD                  | Abstract                 |
|                    |                       | WO                        | 01/66947            | A1                                   | 09-13-2001                     | HITACHI LTD                                     |                          |
|                    |                       | JP                        | 2002-232174         | A                                    | 08-16-2002                     | HITACHI LTD                                     |                          |
|                    |                       |                           |                     |                                      |                                |   |                          |
|                    |                       |                           |                     |                                      |                                |   |                          |
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|                    |                       |                           |                     |                                      |                                |   |                          |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | Translation <sup>6</sup> |
|--------------------|-----------------------|--|--------------------------|
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Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.